



MASTERWELD

M-500S Pulse-Expert

The **M-500S Pulse-Expert** is a multi-process separate water-cooled digital inverter package that is setting new standards with market leading technology in the welding industry.

Comes with features **MW Pulse-Rapid** for high-performance arc with deep penetration, **MW Root-Weld** for perfect root welding, **MW Pipe-Weld** provides 100% penetration and **MW Cold-Weld** minimises heat input for thin sheet welding.

Offering 500 amps welding output @60% duty cycle, the M-500S Pulse-Expert boasts **300 programmes** of cutting-edge welding technology including **new MIG welding processes** for Carbon Steels, Austenitic and Duplex Stainless Steels, Nickel Alloys, Flux Cored Wires and MIG Brazing.

Water-cooled package includes Power Source, Modular Heavy-Duty Water-Cooler, 5 Metre Interconnection Cables, 4WD Wire Feed Unit, Running Gear with Heavy-Duty Gas Bottle Holder, MW510 4 Metre Water-Cooled MIG Welding Torch.

Advanced multi-process machine offering Synergic MIG, Pulse MIG, Dual-Pulse MIG, MW Rapid-Pulse, MW Rapid-MIG, MW Root-Weld, MW Cold-Weld, MW Pipe-Weld, Manual MIG, Lift-TIG and MMA welding capabilities



- **300 pre-stored jobs** for Carbon Steel, Stainless Steels, Duplex Stainless Steels, Nickel Alloys, Aluminium, MIG Brazing and Flux Cored Wires

- **99 Memory Job Store**

- **Smart Trigger Technology** for instant changing of stored jobs from the welding torch

- Heavy-Duty European made 37mm 4 Wheel Drive Wire Feed Unit with Digital Encoder

- **Fully synergic front panel** with simple-to-use welding control

- High-speed inverter offering an extremely stable arc

- Up to **35% power saving** due to advanced **Eco-Weld Technology**

- **Smart-Cool Intelligent Fan Technology**

- Thermal Overload Protection with advanced Error Code Functionality

- **Wind Tunnel Design** - all critical components fully protected from grinding dust and spatter

- 15kg Welding Wire Capacity

- Supplied with heavy-duty running gear and gas bottle rack

- 100% Generator Compatible

M-500S Pulse-Expert Technical Specifications

Mains Voltage (VAC)	400 ± %10
Ampere Range (A)	20-500
Duty Cycle (40oC)	%60 : 500 A, 36.5 V
	%100: 400 A, 32.0 V
Maximum Input Power (kVA)	24.9
Open Circuit Voltage (VDC)	90
Height (mm)	452
Width (mm)	243
Length (mm)	701
Net Weight (kg)	60
Standard Accessories	3m Power Cable (6 x 4 mm ²)
	3m Ground Cable (70 mm ²)
	Gas Regulator
	3m 500A Torch



Your local distributor



MASTERWELD™

www.masterweld.co.uk